

Abstract

A simple, low-cost fixing structure capable of surely fixing an optical fiber to an optical fiber fixture. A ferrule (1) is formed with an optical fiber insertion hole (2) penetrating from the tip end side thereof to the back end side and an opening (4) communicating from the side of the ferrule to the optical fiber insertion hole (2). A plastic optical fiber (3) is inserted into the optical fiber insertion hole (2). A gutter-like optical fiber fixing component (5) having optical fiber clamping parts (6) facing each other is inserted into the opening (4). Then, the plastic optical fiber (3) is clamped from both sides between inner wall surfaces (7) of the optical fiber clamping parts (6), outer surfaces (9) of the optical fiber clamping parts (6) of the optical fiber fixing component (5) is pressure welded with inner wall surfaces (8) of the opening (4), and the plastic optical fiber (3) is fixed and prevented from falling off from the ferrule (1).